

## REVISION OF AUSTRALIAN LEPIDOPTERA, vi.\*

BY A. JEFFERIS TURNER, M.D., F.E.S.

Gen. 70. SYNZEUXIS, nov.

συνξέυξις, a connection.

Face smooth, not projecting. Tongue well-developed. Palpi rather short, porrect, much thickened with rough scales beneath; terminal joint short. Antennæ in ♀ dentate (in ♂ unknown, but probably bipectinate to apex). Thorax with a small, rounded, anterior crest; beneath slightly hairy. Forewings with 10 and 11 arising separately from cell, 10 connected with 9. Hindwings normal.

An interesting link having the neuration of *Chlenias*, but in all other respects resembling *Amelora*.

224. SYNZEUXIS PENTHINA, n.sp.

περθίρος, mournful.

♀. 40 mm. Head and thorax fuscous. Palpi  $1\frac{1}{4}$ ; fuscous. Antennæ ochreous-whitish. Abdomen ochreous-whitish, with some fuscous irroration. Legs fuscous; tarsi with ochreous-whitish annulations; posterior pair ochreous-whitish annulated with fuscous. Forewings broadly triangular, costa moderately arched, apex round-pointed, termen bowed, oblique, crenulate; brown-whitish, closely strigulated with grey, with scattered ochreous-whitish and dark fuscous scales; an ochreous-whitish mark on costa at  $\frac{1}{5}$ ; from this proceeds a faintly darker dentate line, irrorated with ochreous-whitish, to  $\frac{4}{5}$  dorsum; cilia fuscous with whitish apices. Hindwings with termen rounded, crenulate; ochreous-whitish, irrorated with grey; a grey discal dot; cilia grey. Underside similar. Type in Coll. Lyell.

N.S.W.: Hornsby, near Sydney, in April; one specimen.

\* Continued from page 310.

## Gen. 71. PAUROCOMA.

*Paurocoma*, Low., Tr. R.S.S.A., 1902, p.230.

Frons with strong, rounded, anterior protuberance. Tongue present. Palpi moderate, porrect; second joint roughly hairy; terminal joint minute. Antennæ of ♂ thickened, slightly dentate, minutely ciliated. Forewings of ♂ without fovea; 10 and 11 arising separately from cell, 10 anastomosing strongly with 11 and then approximated to 9 (perhaps sometimes anastomosing), 12 free. Hindwings normal.

Perhaps allied to the *Amelora* group, but its exact affinities are not clear.

## 225. PAUROCOMA MOLYBDINA.

*Paurocoma molybdina*, Low., Tr. R.S.S.A., 1902, p.230.  
N.S.W.: Broken Hill.

## Gen. 72. ENCRYPHODES, nov.

ἐγκρυφωδης, hidden.

Frons flat. Tongue well-developed. Palpi short, porrect; second joint thickened with rough scales beneath; terminal joint minute. Antennæ of ♂ laminate, shortly ciliated. Thorax not crested(?); beneath slightly hairy. Femora not hairy. Posterior tibiae of ♂ not dilated. Forewings with 10 and 11 arising separately from cell and strongly anastomosing, 10 sometimes anastomosing with 9; in ♂ without fovea. Hindwings normal. Closely allied to *Paurocoma*, which differs in the strongly projecting frons.

Type, *E. melanochorda*.

## 226. ENCRYPHODES MELANOCHORDA, n.sp.

μελανοχορδος, with black strings.

♂. 30 mm. Head fuscous. Palpi  $1\frac{1}{4}$ ; fuscous. Antennæ in ♂ shortly laminate, ciliations  $\frac{1}{4}$ ; fuscous. Thorax fuscous. Abdomen fuscous-whitish. Legs fuscous-whitish; anterior and middle tarsi fuscous. Forewings triangular, costa gently arched, apex acute, termen bowed, oblique; pale fuscous; with two oblique, slightly dentate, blackish lines; first from  $\frac{1}{3}$  dorsum towards but not reaching mid-costa; second from  $\frac{2}{3}$  dorsum to

costa before apex; cilia fuscous-whitish. Hindwings with termen gently rounded; as forewings, but without first line; a minute discal dot; second line transverse at  $\frac{2}{3}$ . Underside similar, but without first line of forewings. Type in Coll. Lyell.

Tas.: Hobart, in April; one specimen.

227. ENCRYPHODES SYSCIA, n.sp.

συσκίος, shaded.

♂. 28 mm. Head and thorax brown-whitish. Palpi 1; brown-whitish. Antennæ whitish; in ♂ shortly laminate, ciliations  $\frac{1}{2}$ . Abdomen whitish. Legs pale fuscous; posterior pair whitish. Forewings triangular, costa gently arched, apex pointed, termen bowed, oblique; brown-whitish with a few fuscous scales; a broad fuscous shade below cell; a fuscous discal dot below mid-costa, succeeded and followed by a fuscous shade, the latter giving off a fine line to costa before apex; a terminal series of blackish dots; cilia brown-whitish. Hindwings with termen rounded; whitish, with a few grey scales; some fuscous dots on termen; cilia whitish. Underside of forewings pale fuscous; of hindwings like upper side, but with a blackish discal dot. Type in Coll. Lyell.

N.S.W.: Moruya, in June; one specimen.

Gen. 73. EPICOMPSA.

*Epicompsa*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.585.

Face smooth. Tongue developed. Palpi moderate, porrect, slender, shortly rough-scaled, terminal joint short. Antennæ in ♂ bipectinate, towards apex simple. Thorax smooth; beneath nearly glabrous. Femora glabrous; posterior tibiæ in ♂ not dilated. Forewings in ♂ without fovea; veins 10 and 11 separate. Hindwings normal.

This genus is unknown to me, and I have copied Mr. Meyrick's description.

228. †EPICOMPSA XANTHOCROSSA.

*Epicompsa xanthocrossa*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.585.

S.A.: Mt. Lofty.

## Gen. 74. THALAINODES.

*Thalainodes*, Low., Tr. R.S.S.A., 1902, p.231.

Frons with a broad, flattened, corneous process. Tongue well-developed. Palpi moderate, porrect, second joint shortly rough-haired beneath; terminal joint short, obtuse. Antennæ of ♂ shortly bipectinated to apex. Thorax and abdomen not crested; thorax hairy beneath. Femora glabrous. Posterior tibiæ in ♂ slightly dilated. Forewings in ♂ without fovea; 10 out of 9, 11 anastomosing with 12. Hindwings with cell rather long ( $\frac{2}{3}$ ), otherwise normal.

Allied to *Thalaina*, differing in the frontal process and the pectinated antennæ of ♂.

Type, *T. tetraclada* Low.

This genus appears to be confined to the dry country of the interior. I have not seen either *tetraclada* Low., or *paronycha* Low., but both are so clearly closely allied to the new species *nessostoma* that I have no hesitation in including them.

1. Forewings silvery-white, with ochreous or fuscous lines ..... 2.  
Forewings grey, without markings ..... *allochroa*.
2. Forewings with a median bifurcating line ..... 3.  
Forewings without a median bifurcating line ..... *tetraclada*.
3. Forewings with bifurcating line arising from base of costa... *nessostoma*.  
Forewings with bifurcating line arising from costa at  $\frac{1}{3}$  ..... *paronycha*.

## 229. †THALAINODES TETRACLADA.

*Amelora tetraclada*, Low., Proc. Linn. Soc. N. S. Wales, 1900, p.406.

N.S.W.: Broken Hill.

## 230. †THALAINODES PARONYCHA.

*Amelora paronycha*, Low., Proc. Linn. Soc. N. S. Wales, 1900, p.407.

N.S.W.: Broken Hill.

## 231. THALAINODES NESSOSTOMA, n.sp.

*νησσοστομος*, duck-billed.

♀. 42 mm. Head orange-ochreous; face with a long, plate-like, corneous process, bent downwards at the edges and rounded at the end, of the shape of the upper half of a duck's bill. Palpi white. Antennæ grey-whitish. Thorax orange-ochreous; lateral

parts and edges of patagia white. Abdomen whitish-ochreous. Legs whitish; anterior pair except coxæ pale fuscous. Forewings triangular, costa nearly straight, apex rectangular, termen bowed, oblique; silvery white, with thick orange-ochreous lines; a line on costa from middle to apex; a line from base of costa through disc, bifurcating at  $\frac{1}{4}$ ; the two limbs diverging and ending on termen above and below middle; a line along dorsum from base to apex; cilia orange-ochreous. Hindwings with termen rounded, wavy; white; a broad, dark fuscous band close to termen, leaving termen narrowly white, its posterior margin dentate; cilia white. Type in Coll. Goldfinch.

N.S.W.: Bourke; one specimen from the collection of the late Mr. Helms, without locality label, but probably taken at this locality.

### 232. THALAINODES ALLOCHROA.

*Thalainodes allochroa*, Low., Tr. R.S.S.A., 1902, p.232.

Corneal process thick, truncate, square-ended, beneath it a much less prominent but wider corneal ridge. ♂.36 mm. Antennal pectinations  $2\frac{1}{2}$ .

N.S.W.: Broken Hill, Bourke; two examples, ♂, ♀, from the same source as the preceding and also without locality labels.

### Gen. 75. THALAINA.

*Thalaina*, Wlk., Cat. Brit. Mus., iii., p.659; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.652.

Face smooth, rounded, slightly projecting. Tongue well-developed. Palpi short, porrect, rough-haired; terminal joint very short. Antennæ of ♂ shortly laminate, minutely ciliated. Thorax not crested; beneath hairy. Femora smooth; posterior tibiæ of ♂ somewhat dilated. Forewing in ♂ without fovea; 7, 8, 9, 10 stalked from before angle of cell, 11 from cell anastomosing or connected with 12, and sometimes also with 10. Hindwings normal.

### 233. THALAINA SELENÆA.

*Callimorpha selenæa*, Dbld., Eyre's Disc. Austr., i., p.437, Pl. v., f.3. *Absyrtes magnificaria*, Chen., Hist. Nat. Pap., p.5; Gn., Lép., x., p.226. *Thalaina klencea*, Wlk., Cat. Brit. Mus., iii.,

p.660. *Thalaina australiaria*, H.-Sch., Exot. Lep., p. 333.  
*Thalaina punctilinea*, Wlk., Cat. Brit. Mus., xxxi., p.288.

Mr. Lyell assures me that he has bred both forms of this species from the same batch of larvæ. *Punctilinea* differs only in the absence of the fascia on forewings; there are no intermediates, and the difference is not sexual.

Q: Mt. Tambourine.—N.S.W.: Sydney.—Vic.: Melbourne, Oakleigh, Gisborne.—Tas.: —.

#### 234. THALAINA CLARA.

*Thalaina clara*, Wlk., Cat. Brit. Mus., iii., p.660; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.654.

Q.: Blackbutt.—N.S.W.: Sydney, Bathurst.—Vic.: Melbourne, Gisborne.

#### 235. THALAINA ANGULOSA.

*Thalaina angulosa*, Wlk., Cat. Brit. Mus., xxxi., p.289; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.655.

Vic.: Birchip.—S.A.: Adelaide.

#### 236. THALAINA INSCRIPTA.

*Thalaina inscripta*, Wlk., Cat. Brit. Mus., iii., p.661. *Thalaina principaria*, H.-Sch., Lep. Exot., p.446; Gn., Lep., x., p.227.

N.S.W.: Bathurst.—Vic.: Melbourne, Gisborne.—Tas.: —.

#### Gen. 76. MNESAMPELA.

*Mnesampela*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.656.

Face with a more or less developed conical protuberance clothed with short, projecting scales. Tongue well-developed. Palpi moderate, porrect, densely rough-scaled; terminal joint very short. Antennæ of ♂ shortly bipectinate, or simple. Thorax not crested; beneath hairy. Femora hairy; posterior tibiæ of ♂ dilated. Forewings in ♂ without fovea; 7, 8, 9, 10 stalked, 11 from cell, free. Hindwings normal.

#### 237. †MNESAMPELA COMARCHA.

*Mnesampela comarcha*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.656.

Vic.: Melbourne, Warragul.

238. *MNESAMPELA LENÆA*.

*Mnesampela lenæa*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.657.

N.S.W.: Sydney, Bathurst, Mt. Kosciusko (5,000 ft.).—Vic.: Beaconsfield, Gisborne.—Tas.: Launceston.—S.A.: Mt. Lofty.

239. *MNESAMPELA PRIVATA*.

*Idiodes privata*, Gn., Lep., ix, p.41, Pl. xiv., f.4; *Mnesampela privata*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.658.

N.S.W.: Sydney.—Vic.: Melbourne. S.A.: Mt. Lofty.—W.A.: Perth, Bridgetown.

240. *MNESAMPELA FUCATA*.

*Chlenias fucata*, Feld., Reise Nov., Pl.124, f.11. *Mnesampela fucata*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.658.

N.S.W.: Sydney.—Vic.: Melbourne.—Tas.: Zeehan.—S.A.: Mt. Lofty.

Gen. 77. *FISERA*.

*Fisera*, Wlk., Cat. Brit Mus., xxi., p.291. *Criomacha*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.659.

Face with strong, truncate or flattened and acute conical projection, shortly rough-scaled. Tongue well-developed. Palpi moderate or rather long, subascending, densely rough-haired; terminal joint short or moderate, obtuse. Antennæ in ♂ bipectinate to apex. Thorax with a central keel-like crest; beneath densely hairy. Femora hairy; anterior tibiæ with an anterior, apical, corneous hook; posterior tibiæ in ♂ not dilated. Forewings in ♂ without fovea; 7, 8, 9, 10 stalked, 11 from cell, usually connected with 12, sometimes free.

Type, *F. perplexata* Wlk.

|                                     |                       |
|-------------------------------------|-----------------------|
| 1. Hindwings whitish at base.....   | 2.                    |
| Hindwings not whitish at base ..... | 3.                    |
| 2. Forewings grey-whitish .....     | <i>phricotypta</i> .  |
| Forewings purple-fuscous .....      | <i>dictyodes</i> .    |
| 3. Both wings purplish-tinged ..... | <i>halurga</i> .      |
| Wings without purple tinge .....    | 4.                    |
| 4. Hindwings reddish-ochreous ..... | <i>bradyomorpha</i> . |
| Hindwings not reddish-ochreous..... | <i>perplexata</i> .   |

## 241. FISERA PERPLEXATA.

*Fisera perplexata*, Wlk., Cat. Brit. Mus., xxi., p.292. *Chlenias belidearia*, Feld., Reise Nov., Pl.124, f.9. *Criomacha belidearia*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.659.

Palpi  $1\frac{1}{2}$ , terminal joint  $\frac{1}{4}$  second. Antennal pectinations of ♂ 5. Forewings with 11 connected (1♂) or anastomosing (2♂) with 12.

Vic.: Melbourne, Gisborne, Birchip, Brentwood.—Tas.: ——. —S.A.: Mt. Lofty.

## 242. FISERA HALURGA, n.sp.

ἁλουργος, purple.

♂. 50 mm. Head purple-grey; face with a strong conical projection ending in a flattened corneous ridge. Palpi 2; terminal joint  $\frac{1}{2}$  second; purple-grey. Antennæ purple-grey; pectinations of ♂ 5. Thorax purple-grey. Abdomen pale grey. Legs whitish with purple-grey irroration; anterior pair purple-grey. Forewings elongate-triangular, costa nearly straight, (apex broken), termen bowed, oblique; purple-grey with a few fuscous scales; cilia purple-grey. Hindwings with termen rounded; purple-fuscous, becoming paler towards base; cilia purple-fuscous, on tornus and dorsum whitish. Underside paler, hindwings whitish with defined, fuscous, terminal band.

Q.: Gayndah, in May; one specimen received from Dr. Hamilton Kenny.

## 243 FISERA DICTYODES.

*Mnesampela(?) dictyodes*, Low., Tr. R.S.S.A., 1893, p.291.

This is a very distinct species certainly referable here. In the only specimen I have examined (♀) vein 11 is free.

## 244. FISERA PHRICOTYPA, n.sp.

φρικοτυπος, ripple-marked.

♂♀. 40-43 mm. Head and thorax ochreous-grey-whitish. Palpi ochreous grey-whitish with a few, dark, fuscous scales. Antennæ ochreous-whitish, pectinations in ♂ 6. Abdomen ochreous-whitish. Legs ochreous-whitish: tibiæ and tarsi densely irrorated with fuscous. Forewings triangular, costa gently

arched, apex rectangular, termen bowed, scarcely oblique: 11 anastomosing with 12 (one ♂, one ♀) or free (one ♂); ochreous-grey-whitish, with some dark fuscous irroration; a dark fuscous discal dot beyond middle, sometimes obsolete; a dark fuscous line from beneath costa near apex to  $\frac{2}{3}$  dorsum, more or less developed, sometimes strongly dentate; cilia ochreous-grey-whitish. Hindwings broad, termen rounded; whitish, suffused with fuscous towards termen; cilia fuscous, apices whitish, on dorsum whitish. Type in Coll. Lyell.

Vic.: Birchip and Brentwood, in April; three specimens.

245. FISERA BRADYMORPHA, n.sp.

*βραδνμορφος*, heavily made.

♂♀ 48-50 mm. Head, palpi, and thorax greyish-ochreous. Antennæ greyish-ochreous; pectinations in ♂ 3. Abdomen and legs whitish-ochreous. Forewings elongate-oblong, posteriorly dilated, costa strongly arched, apex acute, slightly produced, termen bowed, sinuate beneath apex, scarcely oblique; 11 connected by a bar with 12; pale greyish-ochreous with some minute pale fuscous strigulæ; a fuscous dot on median vein at  $\frac{1}{5}$ , and another on internal vein beneath this; a faint discal dot; a sinuate line of fuscous dots on veins at  $\frac{3}{4}$ ; in ♀ all these dots are obsolete; cilia greyish-ochreous. Hindwings with termen rounded, sinuate; pale reddish-ochreous, becoming whitish-ochreous at base; a line of dark fuscous dots on veins at  $\frac{3}{4}$ ; cilia pale reddish-ochreous, apices whitish. Underside similar, but forewings without markings; hindwings with a large, median, subterminal, fuscous blotch with narrower extensions towards costa and dorsum. Type in Coll. Wyld.

N.S.W.: Sydney, in April and May; four specimens received from Mr. G. H. Wyld.

Gen. 78. STATHMORRHOPA.

*Stathmorrhopa*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.659.

Face with an obtuse, rounded, conical projection, shortly rough-scaled. Tongue well-developed. Palpi moderate, porrect, densely rough-haired; terminal joint moderate, obtuse. Antennæ

of ♂ bipectinate to apex. Thorax with sharp central crest; beneath densely hairy. Femora hairy; posterior tibiæ in ♂ not dilated. Forewings in ♂ without fovea; 7, 8, 9, 10 stalked, 11 from cell, anastomosing first with 12 and then with 10.

Closely allied to *Fisera*. Type, *S. beggaria* Gn.

- |                             |                     |
|-----------------------------|---------------------|
| 1. Forewings oblong .....   | <i>beggaria</i> .   |
| Forewings triangular.....   | 2.                  |
| 2. Hindwings ochreous ..... | <i>hypsilopha</i> . |
| Hindwings fuscous .....     | <i>hypoleuca</i> .  |

#### 246. STATHMORRHOPA BEGGARIA.

*Chlenias beggaria*, Gn., Lep., x., p.238, Pl. xiv., f.2. ?*Chlenias porphyriaria*, Gn., Lep., x., p.237. *Stathmorrhopa beggaria*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.660.

N.S.W.: Sydney.—Vic.: Warragul, Beaconsfield, Gisborne.—Tas.: Hobart.—S.A.: Mt. Lofty.

#### 247. STATHMORRHOPA HYPSILOPHA, n.sp.

ἰψίλοφος, high-crested.

♂. 48 mm. Head pale ochreous-brown; face with strong rounded prominence. Palpi pale ochreous-brown, towards base whitish. Antennæ pale ochreous-brown; pectinations in ♂ 2. Thorax pale ochreous-brown; with a high, narrow, keel-like, median crest. Abdomen whitish-ochreous. Legs ochreous-whitish; anterior pair pale ochreous-brown. Forewings elongate-triangular, costa rather strongly arched, apex pointed, slightly produced, termen bowed, scarcely oblique; pale ochreous-brown, with a few pale fuscous strigulae; cilia brown, apices whitish. Hindwings with termen rounded, slightly wavy; ochreous; postmedian line represented by two or three minute fuscous dots on veins; cilia ochreous, apices whitish-ochreous. Underside pale brownish; hindwings with a large, dark fuscous, postmedian blotch, not reaching margins, and a few fuscous strigulae near apex.

This and the following species have the forewings proportionately broader and more triangular than in *S. beggaria*. Type in Coll. Lyell.

N.S.W.: Hornsby, near Sydney, in March; one specimen.

## 248. STATHMORRHOPA HYPOLEUCA, n.sp.

ἵπολευκος, white beneath.

♂. 48-52 mm. Head reddish-brown; face with a rounded prominence excavated at apex into a shallow cavity filled with pale ochreous and rimmed with dark fuscous. Palpi brown. Antennæ pale grey; pectinations in ♂ 6. Thorax reddish-brown; with a narrow median crest. (Abdomen broken). Legs fuscous; posterior femora and tibiæ, and outer surface of middle tibiæ whitish. Forewings elongate-triangular, costa arched towards base, thence straight, apex round-pointed, termen bowed, oblique; pale reddish-brown with sparsely scattered fuscous strigulæ; a small, round, pale fuscous, median, discal spot; a faintly marked or obsolete line of fuscous strigulæ from  $\frac{2}{3}$  dorsum obliquely outwards; cilia brown. Hindwings with termen slightly rounded, slightly wavy; fuscous; base white over a restricted area, or to beyond middle; cilia fuscous, apices white. Underside white, with broad, suffused, fuscous, terminal band on each wing. Type in Coll. Lyell.

Vic.: Gisborne, in April and May (Lyell); Birchip, in April (Goudie); three specimens.

## Gen. 79. NYCTEREPHES.

*Nycterephes*, Turn., Tr. R.S.S.A., 1906, p 135.

Face with strong rounded prominence, smooth-scaled. Tongue well-developed. Palpi moderate, porrect, densely rough-scaled; terminal joint very short. Antennæ of ♂ bipectinate nearly to apex. Thorax with a posterior crest; beneath hairy. Abdomen not crested. Femora smooth. Forewings in ♂ without fovea; 10 and 11 long stalked, their stalk connected by a bar with 12, 10 anastomosing with 9. Hindwings with 6 and 7 connate or approximated at base; otherwise normal.

Type, *N. coracopa* Turn. The neuration of the forewings as originally given is, I think, incorrect; that now given is taken from a second ♀ example. Probably it is related to *Smyriodes*.

## 249. NYCTEREPHES CORACOPA.

*Nycterephes coracopa*, Turn., Tr. R.S.S.A., 1906, p.136.

Antennæ in ♂ with apical  $\frac{1}{10}$  simple.

W.A.: Bridgetown, Beverley.

## Gen. 80. SMYRIODES.

*Smyriodes*, Gn., Lep., ix., p.223; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.666.

Face not projecting, shortly rough-haired. Tongue well-developed. Palpi moderate, porrect, densely rough-haired; terminal joint moderate, obtuse. Antennæ in both sexes bipectinate to apex. Thorax with rounded anterior and bifid posterior crests; beneath densely hairy. Femora densely hairy. Forewings in ♂ without fovea; 10 and 11 long-stalked, their stalk connected by a bar with 12, 10 connected with 9. Hindwings normal.

A development of the *Chlenias* stem important as illustrating its relationship to *Amelora*. With the latter it agrees in neuration, differing in stouter build, general hairiness, posterior thoracic crest, and other details.

Type, *S. aplectaria* Gn.

## 250. SMYRIODES APLECTARIA.

*Smyriodes aplectaria*, Gn., Lep., ix., p.223, Pl. xx., f 1; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.667. *Nisista notodontaria*, Wlk., Cat. Brit. Mus., xxi., p.294. *Vungu delineata*, Wlk., Cat. Brit. Mus., xxxii., p 453.

Antennal pectinations in ♂ 8, in ♀ 2½.

N.S.W.: Sydney.—Vic.: Melbourne.—Tas.: —.—S.A.: Mt. Lofty.

## 251. †SMYRIODES CARBURARIA.

*Chlenias carburaria*, Gn., Lep., x., p.238. *Smyriodes carburaria*, Low., Tr. R.S.S.A., p.164.

S.A.: Mt. Lofty.

## Gen. 81. SYMMIGES, nov.

*συμμιγής*, mixed up with, confused.

Frons flat. Tongue well-developed. Palpi moderate, porrect. Antennæ of ♂ pectinated to apex. Thorax with a triangular anterior crest; beneath densely hairy. Femora hairy. Forewings of ♂ without fovea; 10 and 11 rising from cell by a long common stalk, not anastomosing. Hindwings normal.

A development of *Chlenias*, differing only in the staking of veins 10 and 11. From *Smyriodes* it differs by these veins being

without anastomoses, and by the absence of a posterior thoracic crest.

## 252. SYMMIGES GALEARIA.

*Chlenias galearia*, Gn., Lep., x., p.238. *Smyriodes aphronesa*, Low., Tr. R.S.S.A., 1902, p.250.

Vic.: Melbourne, Birchip.

## Gen. 82. GASTRINA.

*Gastrina*, Gn., Lep., ix., p.224; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.667.

Face with slightly projecting scales. Tongue developed. Palpi moderate, subascending, rough-scaled; terminal joint short. Antennæ in ♂ bipectinate, apex simple. Thorax with posterior crest, densely hairy beneath. Abdomen with strong dorsal crests. Femora glabrous; posterior tibiæ in ♂ strongly dilated, containing tuft, outer apical spur very short, thick. Forewings in ♂ without fovea; 10 out of 9, connected again with 9. Hindwings normal.

I have taken this description from Mr. Meyrick, as I have no specimen before me, though I have seen one.

## 253. GASTRINA CRISTARIA.

*Gastrina cristaria*, Gn., Lep., ix., p.224, Pl.5, f.4; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.668. *Praxis illapsa*, Wlk., Cat. Brit. Mus., xiii., p.1088. *Hypochroma velutinata*, Wlk., Cat. Brit. Mus., xxi., p.442. *Passa latifusciata*, Wlk., Cat. Brit. Mus., xxxv., p.1563.

N.S.W.: Sydney. — Vic.: Gisborne. — Tas : —.

## Gen. 83. MICTODOCA.

*Mictodoca*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.661.

Face shortly rough-haired, not tufted. Tongue well-developed. Palpi very long, porrect, with long dense hairs above and beneath; terminal joint moderate, partly concealed. Antennæ in ♂ bipectinate to apex. Thorax with a bifid posterior crest; beneath hairy. Femora hairy; posterior tibiæ in ♂ not dilated. Forewings in ♂ without fovea; 10 and 11 arising separately from cell, 10 anastomosing first with 11 and then with 9. Hindwings with cell rather long, otherwise normal.

Nearly related to *Conosara*.

## 254. MICTODOCA TOXEUTA.

*Mictodoca toxenta*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.661.

Palpi 4. Forewings with neuration as given, without variation (4 examples).

N.S.W.: Newcastle, Sydney, in April and May.—Tas.: Kelso.

## Gen. 84. CONOSARA.

*Conosara*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.660.

Face with projecting cone of scales. Tongue well-developed. Palpi long, porrect, densely rough-haired; terminal joint moderately long, smooth. Antennæ of ♂ bipectinate to apex. Thorax with a posterior crest; beneath hairy. Femora smooth; posterior tibiæ of ♂ moderately dilated, with internal groove and tuft. Forewings in ♂ without fovea; 10 and 11 arising separately from cell and free, or rarely 10 out of 9 near base (Meyrick). Hindwings normal.

Probably allied to *Chlenias*.

## 255. CONOSARA CASTANEATA.

*Conosara castaneata*, Meyr., Proc. Linn. Soc. N.S. Wales, 1891, p.660.

Palpi 4; second joint very long, densely rough-haired above and beneath; terminal joint  $\frac{1}{4}$ , tolerably acute. Forewings with 10 and 11 arising separately from cell and free (2♂).

Tas.: Hobart.

## 256. CONOSARA PAMMICTA, n.sp.

παμμικτος, all-blended.

♂. 34 mm. Head dark fuscous. Palpi 2, terminal joint  $\frac{1}{2}$ , obtuse; dark fuscous. Antennæ dark grey; pectinations in ♂ 3. Thorax dark fuscous. Abdomen grey. Legs dark fuscous; tibiæ and tarsi annulated with whitish; posterior pair mostly whitish. Forewings triangular, costa gently arched, apex round-pointed, termen bowed, oblique; 10 and 11 arising separately from cell, 10 connected by a bar with 9 (1♂); pale brown, closely strigulated with dark fuscous, in places irrorated with whitish; markings dark fuscous; dentate transverse lines at  $\frac{1}{4}$  and middle, preceded and followed by some whitish irroration; a discal spot

closely following median line, a dentate sinuate postmedian line approximated on dorsum to median line, its posterior edge irrorated with whitish; an imperfect, dentate, whitish, sub-terminal line, anteriorly partly edged with dark fuscous; a terminal series of dots: cilia fuscous, barred with dark fuscous and partly irrorated with whitish. Hindwings with termen rounded, slightly wavy; grey, towards costa whitish; two fuscous dentate lines from middle and  $\frac{3}{4}$  of dorsum; cilia whitish, barred with fuscous. Underside fuscous; hindwings with darker discal dot and antemedian and postmedian lines. Type in Coll. Lyell.

N.S.W.: Wentworth Falls, near Katoomba, in April; one specimen.

Gen. 85. HARPAGOCNEMA.

*Harpagocnema*, Turn., Tr. R.S.S.A., 1915, p.802.

Face with strong rounded prominence, shortly rough-scaled. Tongue well-developed. Palpi moderately long, porrect, rough-scaled beneath; terminal joint moderate, obtuse. Antennæ of ♂ bipectinate, extreme apex simple. Thorax with an acute anterior crest; beneath hairy. Femora smooth; anterior tibiæ with two, stout, horny, apical hooks, the inner longer; posterior tibiæ of ♂ not dilated. Forewings of ♂ without fovea; 10 and 11 long-stalked, free. Hindwings much broader than forewings; cell long ( $\frac{2}{3}$ ); otherwise normal.

Allied to *Capusa* and *Chlenias*, differing from the former in the stalking of veins 10 and 11 and from the latter in the hooked anterior tibiæ.

257. HARPAGOCNEMA EREMOPLANA.

*Harpagocnema eremoplana*, Turn., Tr. R.S.S.A., 1915, p.802.

S.A.: Musgrave and Everard Ranges.

Gen. 86. CAPUSA.

*Capusa*, Wlk., Cat. Brit. Mus., xi., p.620.

Frons flat. Tongue well-developed. Palpi moderate, porrect; second joint rough-scaled; terminal joint short. Antennæ of ♂ simple or dentate. Thorax with a rounded anterior crest; beneath hairy. Femora smooth; anterior tibiæ with a strong, curved, apical hook; posterior tibiæ in ♂ dilated. Forewings

long and narrow; in ♂ without fovea; 10 and 11 from cell, not anastomosing. Hindwings broader than forewings; cell long ( $\frac{2}{3}$ ); otherwise normal.

Allied to *Chlenias*, but differs in vein 10 not being connected with 9, in the non-pectinate antennæ, differently shaped thoracic crest, and in the apical hook of anterior tibiæ.

Type, *C. senilis* Wlk.

258. *CAPUSA SENILIS*.

*Capusa senilis*, Wlk., Cat. Brit. Mus., xi., p.621. *Teinocladia cuculloides*, Feld., Reise Nov., Pl.96, f.9.

♂♀. 43-62 mm. Head, palpi, and thorax grey. Antennæ grey; in ♂ simple, with minute ciliations. Abdomen grey-whitish. Legs white irrorated with grey; tarsi and anterior tibiæ grey; tibial hook from inner side of apex ferruginous. Forewings narrow, elongate-triangular, costa straight to  $\frac{2}{3}$ , thence gently arched, apex rounded, termen oblique; dark grey with whitish irroration; a whitish suffusion in disc posteriorly with an anterior projection, usually well-marked, beneath cell; first and median lines obsolete; a roundish, fuscous, discal dot at  $\frac{3}{5}$ ; a fine, fuscous, acutely dentate line traversing whitish area from costa at  $\frac{3}{5}$  very obliquely outwards, then acutely angled on a long projecting tooth, and ending on  $\frac{3}{4}$  dorsum; a very obscure whitish terminal line; cilia whitish, more or less mixed with grey. Hindwings twice as broad as forewings, termen somewhat wavy; white; a fuscous apical blotch; cilia white. Underside similar.

N.Q.: Kuranda, near Cairns, in June. — Q.: Brisbane, in July, September, March, and May. — Vic.: —(?)

259. *CAPUSA GRAODES*, n.sp.

γραιωδης, like an old woman.

♀. 44 mm. Head, palpi, and thorax grey with some fine whitish irroration. Antennæ grey. Abdomen dark grey. Legs grey, irrorated with whitish; tibial hook from inner side of apex, fuscous. Forewings narrow, elongate-triangular, costa straight to  $\frac{2}{3}$ , thence gently arched, apex rounded, termen oblique, rounded towards tornus; grey, uniformly irrorated with whitish:

markings dark grey; a suffused, outwardly-curved line from costa at  $\frac{1}{4}$  to dorsum at  $\frac{1}{3}$ ; a similar line from  $\frac{2}{5}$  costa to mid-dorsum; a subcostal discal spot beyond middle; a dentate line from  $\frac{2}{3}$  costa acutely angled on a long projecting tooth and ending on  $\frac{3}{4}$  dorsum; cilia whitish mixed with grey. Hindwings nearly twice as broad as forewings, termen slightly waved; whitish, towards termen suffused with grey; cilia whitish. Underside similar.

Very near the preceding; best distinguished by absence of apical blotch on hindwings.

Vic.: Birchip, in April; one specimen received from Mr. D. Goudie.

260. *CAPUSA STENOPHARA*, n.sp.

*στενοφυρος*, narrow-cloaked.

♂. 50 mm. Head, palpi, and thorax grey. Antennæ grey; in ♂ dentate and moderately ciliated. Abdomen grey. Legs whitish, irrorated with grey; tibial hook from outer side of apex, fuscous. Forewings very narrow, elongate-triangular, costa gently arched, apex round-pointed, termen strongly oblique, subdentate; whitish-grey; a broad, grey, median area, sharply limited by an anterior line, preceded by a whitish suffusion, from  $\frac{1}{3}$  costa to  $\frac{1}{3}$  dorsum, and a finely dentate posterior line from  $\frac{2}{3}$  costa obliquely outwards, sharply bent in disc and continued to  $\frac{3}{4}$  dorsum; some fine blackish streaks on veins; cilia white mixed with grey. Hindwings broader than, but not twice as broad as forewings, termen slightly waved; pale grey; cilia whitish. Underside of forewings dark grey; of hindwings whitish, with some fuscous suffusion at apex. Type in Coll. Lyell.

Vic.: Gisborne, in June; one specimen.

Gen. 87. *CERATUCHA*, nov.

*κερατουχος*, horned.

Frons with a horny process. Tongue developed. Palpi short or moderate, porrect; second joint rough-scaled. Antennæ in ♂ pectinated to apex, in ♀ serrate. Thorax with a triangular anterior crest; hairy beneath. Femora hairy. Forewings in ♂ without fovea; 10 from cell, connected with 9, 11 free. Hindwings normal.

Differs from *Chlenias* only by the horny frontal process, but this seems sufficient.

Type, *Chlenias arietaria* Gn.

#### 261. CERATUCHA ARIETARIA

*Chlenias arietaria*, Gn., Lep., x., p.239; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.663. *Chemerina cuneifera*, Wlk., Cat. Brit. Mus., xxiv., p.1155. *Ciampa defixella*, Wlk., Cat. Brit. Mus., xxvii., p.180. *Chlenias crambaria*, Feld., Reise Nov., Pl. 133, f.12.

N.S.W.: Newcastle, Sydney, Bathurst, Brewarrina.—Vic.: Melbourne, Castlemaine, Gisborne, Birchip.—S.A.: Adelaide.—W.A.: Perth.

#### 262. CERATUCHA HETEROMORPHA.

*Chlenias heteromorpha*, Low., Tr. R.S.S.A., 1901, p.65.

N.S.W.: Broken Hill.—Vic.: Birchip.

#### Gen. 88. CHLENIAS.

*Chlenias*, Gn., Lep., x., p.236; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.662.

Face rounded, sometimes projecting, smooth, or shortly rough-haired. Tongue well-developed. Palpi moderately long, porrect, densely rough-haired; terminal joint moderate, obtuse. Antennæ bipectinate to apex in both sexes, pectinations in ♀ short. Thorax with a triangular anterior crest; beneath densely hairy. Femora hairy; posterior tibiæ in ♂ not dilated. Forewings in ♂ without fovea, 10 and 11 arising separately from cell, 10 connected by a short bar with 9 or anastomosing. Hindwings with cell rather long, 8 closely approximated to cell beyond middle, otherwise normal.

Type, *C. banksiaria* Le Guil. Mr. Meyrick has so restricted Guenée's genus, though without indicating the type.

#### 263. †CHLENIAS MELANOXYSTA.

*Chlenias melanoxysta*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.663.

S.A.: Balaclava.

## 264. CHLENIAS UMBRATICARIA.

*Chlenias umbraticaria*, Gn., Lep., x., p.240; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.664.

N.S.W.: Sydney.—Vic.: Melbourne.—S.A.: Mt. Lofty.—W.A.: Perth.

## 265. CHLENIAS BANKSIARIA.

*Chlenias banksiaria*, Le Guil., Rev. Zool., 1841, p.257; Gn., Lep., x., p.239; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.664. *C. auctaria*, Gn., Lep., x., p.239, Pl.14, f.1. *C. indecisata*, Wlk., Cat. Brit. Mus., xxiv., p.1153.

N.S.W.: Sydney.—Vic.: Melbourne.—S.A.: Mt. Lofty.—W.A.: Perth.

## 266. CHLENIAS ZONÆA.

*Chlenias zonæa*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.665.

N.S.W.: Sydney.—Vic.: Melbourne, Lorne.—Tas.: Launceston, Hobart.—S.A.: Adelaide, Mt. Lofty.

## 267. CHLENIAS SEMINIGRA.

*Chlenias seminigra*, Rosen., A.M.N.H., 1885, p.430; Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.666.

Vic.: Warragul, Beaconsfield.—Tas.: Hobart.

## 268. CHLENIAS SERINA.

*Chlenias serina*, Low., Tr. R.S.S.A., 1900, p.36.

N.S.W.: Broken Hill.

## 269. CHLENIAS PSOLINA, n.sp.

*ψολινος*, sooty.

♀. 42-48 mm. Head, palpi, and thorax dark fuscous. Antennæ dark fuscous; bipectinated in both sexes, pectinations of ♂ (unknown), of ♀ 1. Abdomen pale grey. Legs fuscous. Forewings narrow, oblong-oval, costa rather strongly arched, apex rounded, termen bowed, oblique; dark fuscous, sometimes with some brownish suffusion; a terminal series of blackish dots; cilia fuscous, apices and a slender median line whitish. Hindwings with termen slightly rounded; grey-whitish, darker towards termen; cilia grey. Underside fuscous.

A true *Chlenias*, but exceptional in vein 10 anastomosing strongly with 9, not merely connected with it by a short bar. Type in Coll. Lyell.

Vic.: Beaconsfield, in May, June, and July; Sale, in August.—  
Tas.: Sheffield, in November. Five specimens.

270. *CHLENIAS STENOSTICHA*, n.sp.

στενωστιχος, with narrow streaks.

♂. 45 mm. Head fuscous, finely irrorated with white; face rounded, prominent, shortly rough-haired. Palpi  $1\frac{3}{4}$ , grey, lower edge and base white. Antennæ whitish-grey; pectinations in ♂ 5. Thorax fuscous with fine white irroration, so as to appear grey. Abdomen brown-whitish. Legs grey; posterior pair, except tarsi, whitish. Forewings elongate-triangular, costa very slightly arched, apex round-pointed, termen bowed, oblique, whitish-grey; markings blackish; a subdorsal line from base to  $\frac{4}{5}$ , slightly dorsally bent before middle; a short oblique streak from  $\frac{1}{5}$  costa, with several fine longitudinal streaks on veins between it and dorsum; a long, fine streak in cell, and another on fold; a series of short streaks representing postmedian line; in terminal area a series of long, fine, inter-neural streaks running into termen; cilia grey-whitish. Hindwings with termen rounded, wavy; fuscous, becoming whitish towards base; cilia whitish. Underside of forewing fuscous; of hindwing, whitish with dark fuscous terminal band. Type in Coll. Lyell.

Vic.: Blackrock, near Melbourne, in March; one specimen.

271. *CHLENIAS MESOSTICHA*, n.sp.

μεσοστιχος, with central streak.

♂. 35 mm., ♀. 42 mm. Head, palpi, and thorax fuscous, finely irrorated with whitish. Antennæ grey; pectinations in ♂ 5. Abdomen whitish with pale fuscous irroration. Legs whitish with fuscous irroration: tarsi fuscous, annulated with whitish; anterior pair dark fuscous. Forewings narrow elongate-triangular, costa moderately arched, apex rounded, termen bowed, oblique; whitish-grey; costa more or less suffused with fuscous; a dark fuscous (in ♀ blackish) streak along median vein from base, giving off finer streaks along veins 2, 3, and 4; a short

streak on vein 6; a whitish, wavy, subterminal line; an interrupted, dark fuscous, terminal line (in ♀ a continuous blackish line); cilia fuscous mixed with whitish. Hindwings much broader than forewings, termen bowed in middle, wavy; whitish; a fuscous discal dot and broad terminal band obsolete towards tornus; cilia white. Underside whitish with fuscous discal dot and terminal band, more or less obsolete towards costa in each wing. Type in Coll. Lyell

Vic.: Birchip, in April.—W.A.: Perth; a ♀ in West Australian Museum, differing slightly from type, but I think the same species.

272. *CHELENIAS BASICHORDA*, n.sp.

*βασιχορδος*, with basal stripe.

♂. 40 mm. Head grey-whitish; face with upper margin fuscous. Palpi grey-whitish mixed with fuscous. Antennæ grey-whitish; pectinations in ♂ 6. Thorax grey-whitish with an anterior fuscous spot. Abdomen whitish. Legs whitish; anterior pair fuscous-whitish. Forewings triangular, costa moderately arched near base, thence straight to near apex, apex pointed, termen bowed, oblique, crenulate; grey-whitish; markings blackish; a broad, subdorsal, basal streak not reaching first line; first line from  $\frac{1}{3}$  costa to  $\frac{1}{3}$  dorsum, slender, outwardly curved; a fine, dentate, transverse line before middle; a transverse discal mark slightly beyond middle; postmedian line represented indistinctly by fine dots on veins; three interneural streaks beneath apex running into termen, and two more above tornus; a fine terminal line; cilia grey-whitish. Hindwings with termen rounded, dentate opposite veins 3, 4, 6, and 7; whitish; a faint grey discal mark; a small, dark fuscous, median, terminal suffusion; cilia whitish. Underside grey-whitish with a median grey discal mark on each wing. Type in West Australian Museum.

W.A.: Perth, in June; one specimen received from Mr. W. B. Alexander.

273. *CHELENIAS MACROCHORDA*, n.sp.

*μακροχορδος*, with long streak,

♀. 44 mm. Head and thorax grey-whitish; upper margin of face fuscous. Palpi fuscous above, whitish beneath. Antennæ

whitish. Abdomen ochreous-whitish. Legs whitish-grey; posterior pair whitish. Forewings elongate-oval, costa strongly and evenly arched, apex round-pointed, termen bowed, oblique, slightly wavy; grey-whitish with dark fuscous streaks; a subdorsal streak from base nearly to tornus; a fine longitudinal streak in cell; a short, oblique streak from  $\frac{1}{4}$  costa; a series of fine interneural streaks running into termen; cilia whitish. Hindwings much broader than forewings, with termen rounded, irregularly waved; whitish, towards termen grey; cilia whitish. Underside of forewings pale grey; of hindwings whitish, with a fuscous terminal band obsolete towards costa. Type in West Australian Museum.

W.A.: Perth, in April; one specimen received from Mr. W. B. Alexander.

#### Gen. 89. STIBAROMA.

*Stibaroma*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.669.

Face smooth, somewhat projecting, rounded. Tongue well developed. Palpi moderately long, porrect, densely rough-scaled; terminal joint short, obtuse. Antennæ in ♂ bipectinate, apex simple. Thorax with slight central crest; beneath densely hairy. Femora hairy; posterior tibiæ in ♂ not dilated. Forewings in ♂ without fovea; 10 and 11 arising separately from cell, 10 sometimes connected with 9. Hindwings with cell rather long; 3 and 4 sometimes connate; 8 closely approximated to cell beyond middle.

Type, *S. melanotoxa* Meyr. The connection of vein 10 with 9 is inconstant; in fact I have not observed it in any of the few examples I have been able to examine. The genus is closely allied to *Chlenias*, differing only in the scaling of the thorax and in some minor points.

#### 274. STIBAROMA MELANOTOXA.

*Stibaroma melanotoxa*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.669.

N.S.W.: Sydney.—Vic.: Melbourne, Gisborne, Wimmera.—S.A.: Mt. Lofty.

Mr. Lyell has a fine aberration taken at Hornsby, near Syd-

ney. It has white patagia, and white blotches on forewing, one at base of dorsum, one on dorsum following postmedian line, and a third subcostal, also following postmedian line.

## 275. STIBAROMA TRIGRAMMA.

*Stibaroma trigramma*, Low., Tr. R.S.S.A., 1892, p.9.  
S.A : Mt. Lofty.

## 276. STIBAROMA TRIPHASIA.

τριφαστος, threefold.

♂. 40 mm. Head, palpi, and thorax fuscous, irrorated with whitish. Antennæ grey; pectinations in ♂ 5, extreme apex simple. Abdomen whitish, bases of segments fuscous. Legs dark fuscous, irrorated and tarsi annulated, with whitish. Forewings elongate-triangular, costa gently arched, more strongly towards apex, apex rounded, termen slightly bowed, oblique; pale fuscous, mixed with whitish and irrorated with dark fuscous; markings dark fuscous; a transverse line near base; an oblique wavy line from  $\frac{1}{5}$  costa to  $\frac{1}{3}$  dorsum; a line from  $\frac{2}{5}$  costa to  $\frac{2}{5}$  dorsum, angulated outwards above middle; a median, transverse, discal mark; a line from costa at  $\frac{2}{5}$  at first straight, then sinuate to  $\frac{2}{5}$  dorsum; an obscure, whitish, dentate, subterminal line; an interrupted, dark fuscous, terminal line; cilia whitish, barred with fuscous. Hindwings with termen rounded, slightly wavy; whitish; a fuscous discal dot, postmedian line, and broad suffused terminal band; a dark fuscous terminal line; cilia as forewings. Underside of forewings whitish with fuscous irroration along costa and at apex, and fuscous discal dot; of hindwings whitish, with dark fuscous irroration, discal mark, postmedian line, and large apical blotch. Type in Coll. Lyell.

Vic.: Gisborne, in April; two specimens.

## Gen. 90. PROSOTERA, nov.

προσωτερος, further off.

Frons flat. Tongue well-developed. Palpi moderately long, porrect; second joint rough-haired beneath; terminal joint short. Antennæ of ♂ shortly laminated, minutely ciliated. Thorax with a posterior crest; hairy beneath. Femora hairy. Posterior tibiæ of ♂ not dilated. Forewings in ♂ without fovea; 10 and

11 arising separately from cell, not anastomosing. Hindwings normal.

This genus differs from the two preceding only in the ♂ antennæ, and the posterior thoracic crest.

277. *PROSOTERA METOPORA*, n.sp.

*μετοπωρος*, autumnal.

♂. 34 mm. Head brown; face and palpi dark fuscous. Antennæ fuscous; in ♂ slightly laminate and minutely ciliated ( $\frac{1}{3}$ ). Thorax brown; tegulæ fuscous. Legs fuscous; posterior pair, except tarsi, whitish-ochreous; all tarsi annulated with whitish-ochreous. Forewings triangular, costa moderately arched, apex rounded, termen bowed, oblique, slightly wavy; fuscous-brown, towards base and costa strigulated with dark fuscous; lines dark fuscous; first line from  $\frac{1}{4}$  costa to  $\frac{1}{3}$  dorsum, outwardly curved, rather broad, but not sharply defined; median similar from midcosta to  $\frac{2}{3}$  dorsum; postmedian from  $\frac{3}{4}$  costa, commencing by a thick costal mark, then attenuated and interrupted, and towards dorsum closely applied to median line, subterminal represented by a few dark fuscous points outlined posteriorly with white; cilia fuscous-brown. Hindwings with termen rounded, wavy; grey becoming whitish at base; a faint discal spot and slightly dentate median line; cilia grey. Type in Coll. Wyld.

N.S.W.: Sydney, in May; one specimen received from Mr. G. H. Wyld.

Gen. 91. *CORULA*.

*Corula*, Wlk., Cat. Brit. Mus., ix., p. 11.

Face with smooth, rounded prominence. Tongue well-developed. Palpi moderate, porrect, densely rough-scaled, terminal joint very short. Antennæ in ♂ pectinate (?). Thorax with a posterior crest; beneath hairy. Femora smooth; posterior tibiæ in ♂ not dilated. Forewings in ♂ without fovea; cell unusually broad at apex, 2 from shortly before angle, 4 widely separated from 3 and closely approximated to 5, running close to it for some distance, 10 and 11 arising separately from cell and free. Hindwings with cell long ( $\frac{2}{3}$ ), otherwise normal.

Type, *C. geometroides* Wlk. The distorted neuration of the forewing is probably confined to the ♂. In my only example the antennæ are unfortunately broken off short.

## 278. CORULA GEOMETROIDES.

*Corula geometroides*, Wlk., Cat. Brit. Mus., ix., p.11.

♂. 30 mm. Head and thorax fuscous, finely irrorated with white. Palpi 2; fuscous mixed with white. Abdomen ochreous-grey-whitish. Legs whitish with some fuscous irroration. Forewings elongate-triangular, costa rather strongly arched, apex round-pointed, termen bowed, oblique; grey with whitish irroration; lines fuscous; first line from  $\frac{1}{5}$  costa to  $\frac{1}{4}$  dorsum, at first outwardly oblique, then bent strongly inwards, and again outwards; median line faintly indicated, sharply dentate; post-median from  $\frac{3}{4}$  costa to  $\frac{1}{5}$  dorsum, sharply dentate; an indistinct, wavy, whitish, subterminal line; a continuous terminal line; cilia grey-whitish. Hindwings broad, termen slightly sinuate; whitish; with a pale grey terminal band; cilia whitish.

N.S.W.: Sydney (Walker).—Vic.: Sea Lake, in November; one specimen received from Mr. D. Goudie.

## Gen. 92. LOPHOSTICHA.

*Lophosticha*, Low., Tr. R.S.S.A., 1902, p.232.

Face with rough projecting scales. Tongue well-developed. Palpi moderate, porrect, rough-scaled; terminal joint short. Antennæ of ♂ bipectinate, near apex simple. Thorax rough-scaled, with small anterior and larger posterior crests; beneath densely hairy. Femora hairy; posterior tibiæ of ♂ not dilated. Forewings with numerous tufts of raised scales; in ♂ without tovea. 10 and 11 arising separately from cell, 10 anastomosing with 9. Hindwings with cell long ( $\frac{2}{3}$ ), otherwise normal.

Type, *L. psorallodes* Low.

## 279. LOPHOSTICHA PSORALLODES.

*Lophosticha psorallodes*, Low., Tr. R.S.S.A., 1902, p.232.

Vic.: Birchip, in April; two specimens received from Mr. D. Goudie.

## Gen. 93. DRYMOPTILA.

*Drymoptila*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.670.

Face smooth, not projecting. Tongue well-developed. Palpi moderate, porrect, rough-scaled; terminal joint short. Antennæ in ♂ simple, minutely ciliated. Thorax with strong posterior crest; beneath slightly hairy. Femora smooth; posterior tibiæ of ♂ slightly dilated, with internal groove and tuft. Forewings in ♂ without fovea; 10 and 11 arising separately, 10 sometimes connate with 9. Hindwings with cell rather long, otherwise normal.

## 280. DRYMOPTILA TEMENITIS.

*Drymoptila temenitis*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.670.

Tas.: Hobart.—S.A.: Mt. Lofty.

## Gen. 94. NEOTERISTIS.

*Neoteristis*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.672.

Face with projecting tuft of scales. Tongue well-developed. Palpi very long, porrect, rough-haired; terminal joint moderate. Antennæ in ♂ dentate, ciliated. Thorax not crested; beneath hairy. Femora smooth. Forewings in ♂ without fovea; 10 and 11 arising separately from cell and free. Hindwings normal.

## 281. NEOTERISTIS PARAPHANES.

*Neoteristis paraphanes*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.672.

N.S.W.: Sydney, in June and July (G. H. Wyld).—Tas.: Deloraine, in November.

## Gen. 95. MOCHLOTONA.

*Mochlotona*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.672.

Face smooth. Tongue well-developed. Palpi moderate, somewhat ascending, rough-haired; terminal joint rather short. Antennæ of ♂ simple, thickened, ciliations very minute. Thorax not crested; hairy beneath. Forewings in ♂ without fovea; 10 and 11 arising separately from cell, 11 connected with 12 and 10, 10 connected with 9. Hindwings normal.

## 282. MOCHLOTONA PHASMATIAS.

*Mochlotona phasmatus*, Meyr., Proc. Linn. Soc. N. S. Wales, 1891, p.673.

Vic.: Warragul, Thorpdale (J. A. Kershaw).

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